

Recombinant Human PRLR HEK293T cell lysate

Cat. No. PRLR-2723HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human PRLR derived in Human HEK293T cell line.
Species	Human
Source	HEK293
Description	This gene encodes a receptor for the anterior pituitary hormone, prolactin, and belongs to the type I cytokine receptor family. Prolactin-dependent signaling occurs as the result of ligand-induced dimerization of the prolactin receptor. Several alternatively spliced transcript variants encoding different membrane-bound and soluble isoforms have been described for this gene, which may function to modulate the endocrine and autocrine effects of prolactin in normal tissue and cancer.
Molecular Mass	69.3 kDa
Storage	The lysate is shipped with dry ice. Upon receiving, store the sample at -20°C. Lysate samples are stable for 12 months from date of receipt when stored at -20°C. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20°C for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	PRLR prolactin receptor [Homo sapiens]
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Official Symbol	PRLR
Synonyms	PRLR; prolactin receptor; PRL-R; hPRL receptor; secreted prolactin binding protein; hPRLrI;
Gene ID	5618
mRNA Refseq	NM_000949
Protein Refseq	NP_000940
MIM	176761
UniProt ID	P16471
Pathway	Adipogenesis, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; ErbB4 signaling events, organism-specific biosystem; Growth hormone receptor signaling, organism-specific biosystem; Immune System, organism-specific biosystem;
Function	cytokine receptor activity; metal ion binding; ornithine decarboxylase activator activity; peptide hormone binding; prolactin receptor activity; protein homodimerization activity; receptor activity;